

### DETAILED ACTION

1. This action is in response to the amendment filed on March 29, 2010. Claims 14, 17-19, 22-26, 28-30 and 34 are pending and have been considered below.

### EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Aaron deditch on April 21, 2010.

The Claims in the application has been amended as follows.

#### **In the Claims:**

- (1) In claim 14, line 5; replace ~~-the-~~ between "providing" and "data" with ~~-a-~~.
- (2) In claim 14; replace lines 6-7 with the following:  
**-wherein the data transmission is between the processor and the at least one inertial sensor and is in digital form, and-**.
- (3) In claim 34, line 1; replace ~~-31-~~ between "claim" and "," with ~~-14-~~.

***Allowable Subject Matter***

3. Claims 14, 17-19, 22-26, 28-30 and 34 are allowed.
4. The following is an examiner's statement of reasons for allowance: The prior art of record disclose a system and method comprising a control unit where a data is transferred between sensors and processor in digital form, but prior art fails to disclose that the unit further comprise features of a serial synchronous interface for providing the data transmission where the data transmission is configured for at least to be bidirectional, triggering a sensor test, triggering a sensor-internal offset regulation of the at least one inertial sensor, triggering a switch-over from one operating state to another operating state of the at least one inertial sensor with error and status bits for detection of data and the modes and, wherein four lines are provided for the data transmission, one of the lines being for selecting the at least one inertial sensor, and the at least one inertial sensor has a multi-channel design, and the status bit indicates one of a running sensor test, an offset regulation mode, and an initialization phase.
5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
  - a. Ziegler et al. (US 6,778,867) discloses a system and method for monitoring and controlling a handling device.
  - b. Deppermann (US 7,600,642) discloses high throughput automated seed analysis system.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HIRDEPAL SINGH whose telephone number is (571) 270-1688. The examiner can normally be reached on Mon-Fri (Alternate Friday Off) 8:30AM-6:00PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shuwang Liu can be reached on 571-272-3036. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/H. S./  
Examiner, Art Unit 2611  
/Shuwang Liu/  
Supervisory Patent Examiner, Art Unit 2611